

## Diploma in Engineering (69 credit hours) Program Requirements by Term

Fall Semester Year 1 (Sept-Dec)	Winter Semester Year 1 (Jan-April)	Fall Semester Year 2 (Sept-Dec)	Winter Semester Year 2 (Jan-April)
EGNE 1206 Technical Communications	EGNE 1203 <sup>S1</sup> Engineering Mechanics 1: Statics	EGNE 2303 <sup>W</sup> Thermodynamics	MATH 2303 <sup>S2</sup> Differential Equations I
EGNE 1210 <sup>S1</sup> Engineering Design 1: Graphics	EGNE 1204 <sup>S1</sup> Computer Methods for Engineers	EGNE 2308 <sup>W</sup> Electric Circuits I	EGNE 2302 <sup>S2</sup> Engineering Economics
MATH 1210 <sup>W, S1, S2</sup> Introductory Calculus I	MATH 1211 <sup>S1, S2, F</sup> Introductory Calculus II	MATH 2301 <sup>S1</sup> Applied Linear Algebra	EGNE 2309 <sup>S2</sup> Probability & Statistics
PHYS 1210 <sup>W</sup> University Physics I	PHYS 1211 <sup>S1</sup> University Physics II	MATH 2311 <sup>S1</sup> Intermediate Calculus	EGNE 2307 Engineering Design II
CHEM 1210 <sup>W</sup> General Chemistry I	CHEM 1213 <sup>S1</sup> General Chemistry II for Engineering	<b>Discipline 1</b>	<b>Discipline 3</b>
<b>HIST 1301*</b> Intro to History of Science & Technology *May be taken either semester		<b>Discipline 2</b>	Humanities Elective *May be taken either semester

Discipline	Mechanical	Civil / Environmental	Electrical	Chemical	Industrial
Discipline 1	EGNE 2301 <sup>S1</sup> EGNE Mechanics II: Dynamics	GEOL 1204 <sup>S1</sup> Geology for Engineers	EGNE 2330 <sup>S2</sup> Data Structures & Algorithms for EGNE	CHEM 2344 <sup>S1</sup> Organic Chemistry I	any discipline course *May be taken either semester
Discipline 2	EGNE 2304 <sup>S1</sup> Mechanics of Materials	EGNE 2304 <sup>S1</sup> Mechanics of Materials	EGNE 2305 Digital Logic	EGNE 2401 Process Engineering	any discipline course *May be taken either semester
Discipline 3	EGNE 2306 <sup>S2</sup> Fluid Dynamics	EGNE 2306 <sup>S2</sup> Fluid Dynamics	EGNE 2311 Electric Circuits II	EGNE 2306 <sup>S2</sup> Fluid Dynamics	EGNE 2325 <sup>S2</sup> Modelling & Optimization for EGNE

**Humanities:** Ancient Studies, Asian Studies, Atlantic Canada Studies, English, History, Intercultural Studies, Philosophy, Public Humanities & Heritage, Religion, and Modern Languages (courses in literature and/or culture)

S1: Course typically offered in Summer I semester (May- June)

S2: Course typically also offered in Summer II semester (July – August)

F: Course typically also offered in Fall semester (September -December)

W: Course Typically also offered in Winter semester (January – April)